

# Turnaround Time Dashboard

## Reporting period: 04/11/21-04/17/21

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.

Labs that delivered more than 1,000 results in the week are included in the dashboard.

The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.



# Turnaround Time, days<sup>1</sup>

Reporting period: 04/11/21-04/17/21 <sup>2</sup>

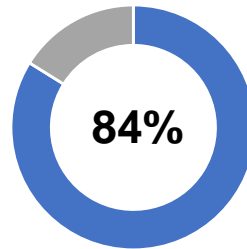
## Average turnaround time for week 04/11/21-04/17/21

Average turnaround time  
from specimen collection  
to lab result (days)

0.9

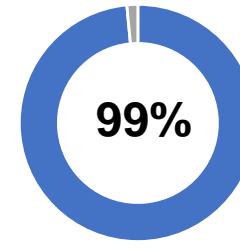
Days

Percentage of results  
meeting turnaround time  
of 1 day



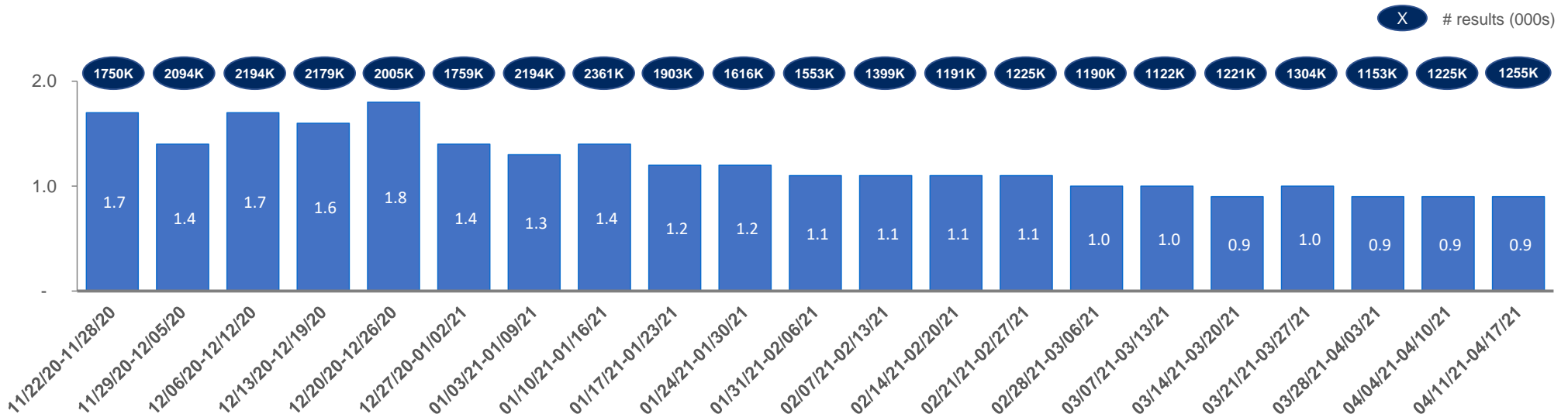
% change from week prior  
**+1%**

Percentage of results  
meeting turnaround time  
of 2 days



% change from week prior  
**+2%**

## Average turnaround time by week, days<sup>1</sup>



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Detailed lab data on next  
page

Time from specimen collection to lab result (days)		Week of 04/11/21-04/17/21 <sup>2</sup>							
<div> <div>Period of time with majority of results</div> <div> <div>▲ Increase in % results within 2 days from prior period</div> <div>▲ Defined as -1 to 1% change in results within 2 days from prior period</div> <div>▼ Decrease in % results within 2 days from prior period</div> </div> </div>		Total test count	1 day, % of results	2 days, % of results	3 days - 4 days, % of results	5+ days, % of results	Total results within 2 days, % of results	Difference in % of results within 2 days from prior period <sup>4</sup>	Specimen collection to result average TAT (days)
Total		1303522	81%	14%	4%	1%	99%	▲ 2%	<1
Commercial	SummerBio	105,186	89%	10%	1%	0%	99%	▲ -1%	<1
	Fulgent Genetics	82,295	92%	7%	1%	0%	98%	▲ 0%	1.1
	Curative	77,296	76%	18%	5%	1%	94%	▲ 2%	1.3
	Quest	64,032	61%	31%	7%	1%	92%	▲ 0%	1.5
	Miradx	54,605	94%	5%	1%	0%	99%	▲ 0%	<1
	Labcorp	43,901	57%	39%	4%	0%	96%	▲ 0%	1.5
	Color Genomics	37,420	93%	6%	1%	0%	99%	▲ 0%	<1
	Avellino	30,477	56%	29%	13%	3%	85%	▲ 1%	1.7
	Flow Health	27,129	100%	0%	0%	0%	100%	▲ 0%	<1
	PMH Laboratory	20,927	39%	43%	16%	2%	82%	▼ -3%	1.9
	Helix OpCo	19,653	83%	17%	0%	0%	100%	▲ 0%	1.0
	BioReference Laboratories	18,039	43%	31%	25%	0%	74%	▲ 0%	1.6
	STS Lab 2	15,799	60%	34%	6%	0%	94%	▲ -1%	<1
	Verity Labs	13,839	72%	22%	4%	2%	94%	▲ 3%	1.0
	COVID Clinic	13,023	95%	5%	0%	0%	100%	▲ 0%	<1
	Genome and Biomedical Sciences Facility	11,644	100%	0%	0%	0%	100%	▲ 0%	<1
	WestPac Labs	9,264	78%	16%	5%	0%	94%	▲ 0%	1.2
	Exceltox	8,882	100%	0%	0%	0%	100%	▲ 0%	<1
	Primex Clinical Laboratories	8,651	100%	0%	0%	0%	100%	▲ 0%	<1
	Biocopt	8,588	60%	32%	7%	1%	92%	▲ 0%	1.5
	MD Labs	8,077	100%	0%	0%	0%	100%	▲ 0%	<1
	iGeneX	7,659	90%	8%	2%	0%	98%	▲ 1%	1.0
	Inspire Health Alliance	6,641	100%	0%	0%	0%	100%	▲ 0%	<1
	Clarity Lab Solutions	6,630	100%	0%	0%	0%	100%	▲ 0%	<1
	UDL	5,419	100%	0%	0%	0%	100%	▲ 0%	<1
	HealthQuest Esoterics	5,393	88%	8%	4%	0%	96%	▼ -2%	<1
	Brio Clinical	5,295	100%	0%	0%	0%	100%	▲ 0%	<1
	Genetorex	5,006	74%	19%	5%	1%	94%	▲ 3%	<1
	DiaCarta	4,804	77%	20%	2%	1%	97%	▲ 0%	1.4
	Crestview Clinical Laboratory	4,553	100%	0%	0%	0%	100%	▲ 0%	<1
	Dextery Laboratory	4,449	99%	1%	0%	0%	100%	▲ 0%	<1
	TruGraf	4,380	100%	0%	0%	0%	100%	▲ 0%	<1
	Ambry Genetics	4,192	100%	0%	0%	0%	100%	▲ 0%	<1
	Genesis Laboratory Management	4,021	64%	22%	13%	1%	85%	▼ -1%	1.6
	Clinical Reference Laboratory	3,748	9%	36%	42%	13%	45%	▼ -9%	2.9
	AIT Labs	3,648	18%	44%	32%	6%	62%	▲ 0%	2.5
	Healthy Care Clinical Laboratories	3,409	100%	0%	0%	0%	100%	▲ 0%	<1
	Infinity Biologix	3,038	100%	0%	0%	0%	100%	▲ 0%	<1
	Eurofins	3,009	91%	6%	1%	1%	98%	▲ 1%	<1
	Genesis Reference Laboratories	2,966	76%	15%	7%	3%	91%	▲ 1%	1.4
	Pharmatech Laboratories & Diagnostics	2,827	100%	0%	0%	0%	100%	▲ 0%	<1
	Aegis Sciences	2,817	71%	22%	6%	1%	93%	▲ 0%	1.4
	Tempus Labs	2,723	13%	84%	2%	1%	97%	▲ 2%	1.9
	Priva Path (dba LGC Labs)	2,617	67%	27%	5%	1%	94%	▼ -4%	1.4
	Foundation labs	2,195	93%	5%	0%	1%	98%	▲ 8%	1.1
	Solaris	2,097	100%	0%	0%	0%	100%	▲ 0%	<1
	Omni Pathology	2,072	98%	2%	0%	0%	100%	▲ 0%	<1
	Northwest Laboratory	2,056	79%	20%	0%	0%	99%	▲ 40%	1.3
	Pacific Diagnostic Laboratories	1,945	96%	4%	0%	0%	100%	▲ 0%	<1
	Nextgen Laboratories	1,929	100%	0%	0%	0%	100%	▲ 0%	<1
	Ashley Laboratory	1,768	100%	0%	0%	0%	100%	▲ 0%	<1
	Genetox	1,687	100%	0%	0%	0%	100%	▲ 0%	<1
	Simple Laboratories	1,562	96%	3%	0%	0%	100%	▲ 0%	<1
	MyMedLab	1,519	62%	8%	29%	1%	70%	▼ -12%	1.8
	United States Drug Testing Laboratory	1,480	96%	3%	1%	0%	99%	▲ 4%	1.1
	Mako Medical	1,475	26%	47%	25%	2%	74%	▲ 5%	2.2
	remegadbio	1,460	100%	0%	0%	0%	100%	▲ 0%	<1
	Valley Clinical Laboratory	1,377	89%	9%	2%	0%	98%	▼ -1%	<1
	Basis Diagnostics	1,362	100%	0%	0%	0%	100%	▲ 0%	<1
	Pacific Toxicology Labs	1,347	100%	0%	0%	0%	100%	▲ 0%	<1
	StemExpress	1,337	99%	1%	0%	0%	100%	▲ 0%	<1
	Bach Diagnostics	1,299	68%	14%	17%	1%	82%	▲ 0%	1.7
	Sun Clinical Laboratories	1,268	100%	0%	0%	0%	100%	▲ 0%	<1
	CVS	1,261	100%	0%	0%	0%	100%	▲ 0%	<1
	Path MD	1,219	98%	1%	1%	0%	99%	▲ 0%	<1
	CMB Labs	1,132	100%	0%	0%	0%	100%	▲ 0%	<1
	Guardant Health	1,124	98%	2%	0%	0%	100%	▲ 0%	<1
	Universal Diagnostic Laboratories	1,038	99%	1%	0%	0%	100%	▲ 0%	<1
	Other Commercial (n=107)	17,856	89%	6%	5%	1%	95%	▲ 0%	<1
	Total Commercial	832,836	80%	15%	4%	1%	95%	▲ 0%	<1
Medical Center Affiliated	Kaiser NorCal	43,321	62%	29%	8%	1%	91%	▼ -2%	1.5
	Kaiser SoCal	42,161	90%	7%	2%	0%	97%	▲ 2%	1.0
	Dignity Health	14,971	98%	2%	0%	0%	100%	▲ 0%	<1
	Sutter Health	14,521	98%	2%	0%	0%	100%	▲ 0%	<1
	Calm Lab	13,781	100%	0%	0%	0%	100%	▲ 0%	<1
	UC Irvine	10,965	80%	18%	2%	0%	98%	▲ 0%	<1
	Stanford Hospital and Clinics	10,812	95%	5%	1%	0%	99%	▲ 1%	<1
	University of Southern California - Los Angeles	10,415	100%	0%	0%	0%	100%	▲ 0%	<1
	UCLA	9,837	63%	35%	2%	0%	98%	▲ -1%	<1
	Santa Clara Valley Medical Center	9,430	97%	3%	0%	0%	100%	▲ 0%	<1
	HCA	9,155	100%	0%	0%	0%	100%	▲ 0%	<1
	Providence Health & Services	8,957	99%	1%	0%	0%	100%	▲ 0%	<1
	UC Davis	8,517	100%	0%	0%	0%	100%	▲ 0%	<1
	Scripps	4,310	100%	0%	0%	0%	100%	▲ 0%	<1
	UCSF	4,284	99%	1%	0%	0%	100%	▲ 1%	<1
	PathMD	3,227	98%	2%	0%	0%	100%	▲ 1%	<1
	Community Medical Centers	3,025	99%	1%	0%	0%	100%	▲ 0%	<1
	Cedars-Sinai Medical Center	2,763	100%	0%	0%	0%	100%	▲ 0%	<1
	Loma Linda University Health	2,719	99%	0%	0%	0%	99%	▲ -1%	<1
	Adventist Health	2,714	96%	1%	1%	2%	97%	▲ 0%	<1
	Sharp HealthCare	2,314	97%	3%	0%	0%	100%	▲ 0%	<1
	Salinas Valley Urology Associates	2,198	100%	0%	0%	0%	100%	▲ 0%	<1
	UCSB Student Health	2,169	100%	0%	0%	0%	100%	▲ 0%	<1
	Ventura County Hospital	1,890	100%	0%	0%	0%	100%	▲ 0%	<1
	Common Spirit Health	1,830	63%	30%	5%	2%	94%	▲ -1%	2.5
	El Camino Health	1,738	99%	0%	0%	0%	100%	▲ 0%	<1
	Zuckerberg San Francisco General Hospital	1,562	100%	0%	0%	0%	100%	▲ 0%	<1
	John Muir Health	1,499	100%	0%	0%	0%	100%	▲ 0%	<1
	MemorialCare	1,329	100%	0%	0%	0%	100%	▲ 0%	<1
	MLK Jr. Hospital	1,319	96%	0%	4%	0%	96%	▲ 1%	<1
	Kaweah Delta	1,303	100%	0%	0%	0%	100%	▲ 0%	<1
	Optum	1,222	100%	0%	0%	0%	100%	▲ 0%	<1
	Huntington Hospital	1,126	100%	0%	0%	0%	100%	▲ 0%	<1
	Eisenhower Health	1,007	100%	0%	0%	0%	100%	▲ 0%	<1
	Other Medical Center Affiliated (n=110)	26,765	96%	2%	1%	1%	99%	▲ 0%	<1
	Total Medical Center Affiliated	279,156	89%	9%	2%	0%	98%	▲ 0%	<1
PHL	Valencia Branch Lab (VBL)	86,482	58%	32%	9%	1%	90%	▲ 29%	1.6
	San Diego PHL	5,940	83%	17%	0%	0%	100%	▲ 0%	1.1
	Contra Costa PHL	3,202	67%	32%	1%	0%	99%	▲ 0%	1.3
	Sonoma PHL	2,380	45%	41%	13%	1%	86%	▼ -2%	1.7
	Orange PHL	1,903	99%	1%	0%	0%	100%	▲ 0%	<1
	Santa Clara PHL	1,270	73%	25%	2%	0%	98%	▲ -1%	1.3
	Other PHL (n=17)	4,390	70%	23%	5%	2%	93%	▲ 0%	1.3
	Total PHL	105,567	61%	30%	8%	1%	91%	▲ 24%	1.5
Uncategorized		37,338	94%	4%	1%	0%	98%	▲ 0%	<1

1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable  
2. Results assigned to week based on specimen result date. Results may be delayed among CofEDEL production, therefore the metrics retroactively change  
3. Uncategorized entries are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab  
4. Numbers may not add up due to rounding  
Note: The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CofEDEL production  
Source: CofEDEL ELR messages received in CofEDEL production; "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR message

# Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

## Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

## Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined the time between collection of specimen and reporting of results.
  - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
  - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
  - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
  - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

## Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production